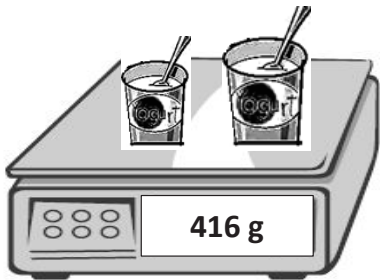Name _____   Date _____

Kathy buys a total of 416 grams of frozen yogurt for herself and a friend. She buys 1 large cup and 1 small cup.

Large Cup	363 grams
Small Cup	? grams

a. Estimate how many grams are in the small cup of yogurt by rounding.

$$416 - 363 \approx 420 - 360 = 60$$

The small cup is about 60g.

b. Estimate how many grams are in the small cup of yogurt by rounding in a different way.

$$416 - 363 \approx 400 - 350 = 50$$

The small cup is about 50g.

c. How many grams are actually in the small cup of yogurt?

The small cup is 53 g.

$$\begin{array}{r} {\scriptstyle 3\ \ 11} \\ 4\cancel{1}6 \\ -363 \\ \hline 53 \end{array}$$

d. Is your answer reasonable? Which estimate was closer to the exact weight? Explain why.

My answer is reasonable because it is close to my estimates.

My second estimation was closer because both numbers were rounded down rather than one rounding up and the other rounding down.

EUREKA MATH™

Lesson 20: Estimate differences by rounding and apply to solve measurement word problems.

253